

The Fortnightly **REVIEW** *of*

THE CHICAGO DENTAL SOCIETY

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Discussion of Hydrocolloids, Season Finale

Dr. Kenneth A. Bignell Will Be the Essayist

One of the nation's outstanding authorities in the use of hydrocolloid impression materials will be the speaker at the May Monthly Meeting. Continuing a superlative program series, the Monthly Meeting Program Committee, under the guidance of Chairman Warren Willman, has secured Dr. Kenneth A. Bignell of Chicago for the final meeting of the 1948-49 season. This meeting will be held in the North Ballroom of the Stevens Hotel at 8 o'clock on Tuesday evening, May 17. Dr. Bignell has chosen as his subject "Indirect Inlay, Crown and Bridge Technic, Using Hydrocolloid Impression Materials."

Following Dr. Bignell's lecture, President Robert J. Wells will install the new officers with appropriate ceremony. Dr. George Edward Meyer will assume the presidency after having served a year as president-elect.

THE ESSAYIST

Dr. Bignell is well and favorably known as an essayist and clinician. He appeared on both the 1948 and 1949 Midwinter Meeting programs in those capacities. His studies in the use of the hydrocolloids have received national recognition as has his work in full mouth reconstruction. Dr. Bignell was graduated from Northwestern University Dental School in 1918 and has practiced in the Loop since that time. Presently he is

vice-chairman of the Monthly Meeting Program Committee of the Chicago Dental Society and secretary-treasurer of the American Academy of Restorative Dentistry. He is a fellow of the International College of Dentists.

HYDROCOLLOIDS

The use of the hydrocolloid impression materials in direct inlay and bridge will be described by Dr. Bignell in his lecture. He will demonstrate how the proper handling of the materials will enable the dentist to secure a degree of accuracy which was previously impossible in the direct inlay technic. He will show how the dentist can take impressions of several cavity preparations at the same time and finish the inlays so they will go to place with very little, if any, adjustment. Impressions of abutment preparations for a bridge can be taken in such a manner that the work can be completed and the bridge set at the patient's second visit.

The care and processing of the hydrocolloid materials will be discussed also. Dr. Bignell will describe a method of packing away gum tissue, the taking of the impressions, the care of the impressions after they have been taken and the development of accurate dies and models from them. All this will be illustrated with Kodachrome slides; slides that are so good that they might well be the envy of the professional photographer.

What Now?

By Frederick T. Barich

(Continued from April 1 issue)



When the box was opened, I noticed that a pall of blue, peculiarly scented smoke lay thick in this dimly-lighted, heavily-barred room. A grizzled face with stringy chin whiskers peered in at me, smiled, and walked away. When a huge burly Occidental came to take me away, we passed by large, shiny tins of stuff which had just arrived. The big bruiser took me to the waterfront where I made the rounds of opium dens and bars which dispensed cheap liquor. A plastered sailor grabbed me and staggered off to his ship. Here I shared his cabin until he slept it off. One night after watch, we went below where a dice game was in session. This was really fun because these ruffians tossed me around like a ping-pong ball. It was great to be out with the exciting boys once more. However, I left with a different guy. He was the smooth, shifty type—one who really had the “know-how.” I remained with him for the balance of the journey to Calcutta. Here we went to an open-air market where Oriental rugs of all sizes, colors, patterns, and descriptions adorned the surroundings. This keen-eyed, smooth-faced merchant took me to an evil-smelling abode where everyone, including an Englishman, was having a grand blowout. The Englishman took me from there to London and did I have a lousy time en route! In London I was quartered in a large marble-adorned building in the shadow of Big Ben—but not for long. A smooth-faced, pink-cheeked Dutchman with a bag of uncut diamonds called for me one day. We left the marble halls, took in the Piccadilly Circus, loafed around Trafalgar Square, went to the opera and finally took the midnight train to Liverpool. We boarded a small boat and skipped across the Channel to Le Havre where we boarded the express to Paris. En route my baby-faced companion was slugged and relieved of the jewels. I couldn’t help him much, so I just waited until he came to, and was he mad? Wow! In Paris we went to the Prefect of Police and, after much yelling and gesticulating, he signed some papers and we left. He called his firm in Amsterdam and his boss gave him the business for losing the gems. The terrific dressing-down prompted him to blow the works; so I ended up on a girl’s lap in Montmartre. She liked me very much, because she caressed and even kissed me—why, I’ll never know. Some people actually hate me; a few are indifferent; but the majority of folks really love me (modest guy, ain’t I!). Before the night was over, a fancy, heel-clicking German had me in tow. We boarded a fast train for Berlin because some dark clouds were hanging over the Third Reich (whatever that was). In Germany we rubbed elbows with all the bigwigs. It was hurry, hurry, hurry all the time. I was never in a hurry unless I was in fast company and then I merely went along for the ride. As it turned out, it was a break for me when a Swede of some distinction hurriedly took me from that monocled German, rushed to Templehof Airdrome, and boarded an airliner for Stockholm. It was fish, fish, fish in Sweden; everywhere I went, I saw fish. From one fish joint, however, I left with a chap who ate hamburger with onions, and I knew right off that he was an American. His ship plied between New York and the various ports of Scandinavia. We arrived in New York after a stormy passage over the North Atlantic. Soon, we were on the way to Yankee Stadium where the Yankees were to do battle with Chicago’s White Sox. During the seventh inning stretch, I went with the peanut-vendor toward the fill-up station. As we rounded the corner, I slipped through a hole and rolled to a grilling where I fell through with a clank. I am now resting here until some kid with gum on a stick rescues me—you see I am a silver dollar and still have a lot of moss to lose.

Pre-Extraction Records*

By Joseph R. Bustetter, D.D.S., Louisville, Kentucky

The phase of complete denture prosthesis chosen for discussion this afternoon seems to me one of the most important, and generally one of the most neglected, in the entire field of prosthodontia. To a great many in our profession, far, far too many, pre-extraction records are one of those things that its nice to talk about, and to agree they're fine things to have, but too much trouble to do anything about in our offices.

Nature gave to each of us certain facial characteristics. These characteristics depend in no small way upon the shape, size and arrangement of the natural teeth. Most people are inherently proud of their facial appearance and will go to almost any length to preserve its status quo for as long a period in life as possible. They approach, with dread, the loss of their teeth mostly because of the adverse affect they feel it will have on their appearance. When told they must lose their teeth, the patient of average intelligence will not show alarm over the possible loss of masticating efficiency, or be worried about speech difficulties with the new dentures, or express too much concern about discomfort with dentures, but they do ask: "How will I look?" If you secure adequate pre-extraction records, that question becomes one you will not have to lose any sleep over. But if you proceed with the extractions without ample pre-extraction records, that then becomes a question that is much better left unanswered.

AN INSURANCE POLICY

Let's explore further the benefits to be derived from pre-extraction records.

Primarily, and simply stated, these records are an insurance policy to better denture construction.

*Read before the Midwinter Meeting of the Chicago Dental Society, February, 1949.

They provide us with the detailed data that will enable us to

(1) Restore correct appearance.

(2) Select artificial teeth that are in harmony with the requirements of the patient. Or, better still, provide us with the means to construct exact duplications of the natural teeth in plastic or porcelain.

(3) Arrange the artificial teeth so as to duplicate the arrangement of the natural teeth.

(4) Restore proper vertical dimension.

In his excellent text Swenson has the following to say regarding this problem: "The only thing definite about vertical dimension is the fact that it is indefinite." If pre-extraction records did nothing but aid us in restoring proper vertical dimension, they would certainly be more than worth the effort used in securing them. The increase in efficiency of dentures constructed to a proper vertical dimension seems now well proven.

(5) To at least minimize speech difficulties occasioned by the wearing of artificial dentures. It has long been our observation that immediate denture patients rarely seem to have speech difficulties due to the dentures. You may feel the factor of importance there is that the patient did not go through a lengthy edentulous period. That would certainly have an important influence, but it would not alter the fact that in the construction of immediate dentures, we are more apt to duplicate the position of the natural teeth which would also be of very great importance.

INDIRECT RESULTS

So much for some of the benefits of pre-extraction records as they relate directly to a case in hand. Now let us consider some of the more indirect, but not less important results.

(1) Patients for whom you have ren-

dered this service will feel you have done everything possible to help them through a very trying time. This they will tell you.

(2) They are an excellent means of practice building.

(3) In your study and use of these records you cannot avoid increasing your knowledge and skill in prosthetic dentistry.

What fulfills the minimum requirements of adequate pre-extraction records?

For a number of years we have used the following: (1) Photographs; (2) Casts of the teeth and (3) Face Mask.

The photographs are usually four in number as follows:

A—Full face front view with the teeth together lightly in centric occlusion.

B—A right angle profile view with the teeth together lightly in centric occlusion.

Views A and B are to be taken with the muscles of the face in complete repose.

C—Front view with the teeth exposed.

D—Profile view with the teeth exposed.

The exposures should be made without the use of a portrait lens in the camera. This is done in order to secure as much detail as possible.

The casts of the mouth are from fully extended impressions of all of the remaining natural teeth and adjacent structures. They are made from either an alginate or a hydrocolloidal material to insure greatest detail. The use of impressions covering just the labial surface of the anterior teeth, while a distinct aid, do not tell us all we should know. Certainly the position of the posterior teeth, as nature placed them, the contour of the mucosal surfaces labially, buccally and lingually are of great importance. The reproduction of as much of this detail as possible will promote better denture construction.

FACE MASK

The face mask is perhaps the most important of all our pre-extraction records.

The face mask will give you just about everything any other method will give, plus much that other methods cannot give.

The use of the facial mask is becoming more and more prevalent in dentistry. Its value to those who specialize in the fields of full denture prosthesis, orthodontia, facial surgery and extensive restorative dentistry is well known. As a means of providing a "before and after" record of certain types of cases, it is head and shoulders above other methods now in use. This is readily seen when it is noted this method alone offers the advantages of a three dimensional record.

To the general practitioner the procedure offers a method of preserving a record of cases that is usually intelligible to the laity and may be used to advantage in causing them to feel the need for similar service.

The following is the procedure used in producing face masks:

We use a material having the trade name "Negocoll." It is a typical reversible hydrocolloid and presents physical properties comparable to the numerous hydrocolloidal impression materials that we see and make use of every day.

PREPARATION OF MATERIAL

The material is to be placed in the top of a double boiler and heated over water until it becomes a smooth paste. This usually requires about three quarters of an hour, depending upon the amount used. The material should be stirred with a wooden spoon to assist in removal of lumps. It may also be necessary to add water to bring the material to a proper working consistency.

PREPARATION OF THE SUBJECT

A thorough explanation of just what you are going to do is certainly desirable, especially to those individuals who exhibit nervous apprehension concerning

the procedure. In no instance should one use the term "death mask." The subject should be instructed to relax, remain calm, breathe naturally, and avoid muscular movements of the face during the period in which the material is being applied. Every assurance must be given that breathing will not be interfered with and that the material will not be placed upon the skin while it is too hot.

To the female must also be given assurance the material will not pull out her eyebrows, or eyelashes, or take the curl out of her hair. Just before application of the material to the subject, place a brushful of it on your own forearm, chill it under cold water, remove and allow subject to note that the material did not bring hide and hair with it. This usually assures the skeptics. *No special preparation* of the skin is necessary. If it is desired to include portions of the hair of the head in the negative, the hair should be treated with a "wave set" solution thirty minutes previous to application of the negocoll. This will produce a film over the hair tending to prevent the material from flowing between individual hairs to the scalp, thus causing such portions of the completed mask to appear bald.

The subject should be seated in a comfortable chair supplied with a head rest. Avoid having the subject in a horizontal position as this prevents a true recording of the features in the negative.

SECURING THE NEGATIVE

Remove some of the material from the double boiler to a flat container and allow it a few seconds to cool sufficiently. Begin the application by applying in a thin smooth layer with a one-half inch brush having rather stiff bristles. In applying to very irregular surfaces the material is most satisfactorily applied by rolling it ahead of the brush. First cover the forehead from the hair line to the upper borders of the eyebrows. Then continue application downward on one side of the face only, over the cheek, nose,

lips, chin and laterally to the desired extent. Do not cover too much area with the first thin applications. Do not cover the upper eyelid during this initial application. Quickly apply more material over portions previously covered. A larger brush may now be used and the material flowed quite freely to place. With a thickness of about $\frac{1}{8}$ of an inch over the forehead and one-half the balance of the face, apply the material over the exposed areas. From time to time, continue applications of more material over the areas previously covered. This leaves exposed the eyebrows and upper eyelids. In order to get as much detail of the brows as possible, it is necessary to avoid painting the material between the individual hairs. The most satisfactory application is made by allowing the material to stiffen slightly and then be rolled into position over the brows. Allow the thickened mass to also cover the exposed eyelid and to join the previously placed material above and below. This also has the advantage of covering the eyelid in a manner that will be least annoying to the subject. Continue application of the material until the whole area is covered to a depth of at least one-fourth inch. Be careful to avoid allowing too much time to elapse between the application of the various layers. This will tend to prevent a separation of the layers upon removal of the negative from the face. The last application is made to the nostrils. This is done with a small water color brush. Only a sufficient amount to get a true reproduction of the openings of the nostrils is necessary. To apply more usually causes difficulty in breathing.

REINFORCEMENT OF NEGATIVE

Reinforce the negative *before* its removal from the face. This is conveniently done by applying impression plaster to a depth of one-fourth of an inch over the negocoll. Apply the plaster in thin coats with a brush or spatula.

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EDITORIAL

WHEN NOT TO BUY INSURANCE

With insurance, as with almost anything else, one gets what one pays for. Most insurance companies are reliable but there are still some fly-by-night outfits that sell insurance under false pretenses. Somehow or other the average professional man seems to be a bit more gullible than the average business man. That doesn't mean that there are not plenty of professional men with good business sense; we're just talking about the average.

Not so long ago, the dentists in the Chicago area received a communication from an insurance company which offered a plan for insuring accounts. For something like 4% of one's gross, one would be protected from loss. And well he might be. Presumably, there must be dentists that lose that percentage of their gross or there wouldn't be any need for insurance of this kind. And, if a dentist is losing more than 4% of his gross, he doesn't need insurance; he needs a guardian.

From entirely reliable sources, it has been learned that this particular insurance company isn't overburdened with assets. It would have to operate for a considerable period of time without any losses whatever in order to build up a sufficient reserve to take care of emergencies. And, to use the vernacular, that's not good.

WHY INCLUDE EVERYBODY?

If free or subsidized medical and dental care was to be confined to cases of need only, no one would quarrel too much with the idea. As a matter of fact, the present system would have to be changed but little to meet the situation. That is why bills such as that sponsored by Senator Hill of Alabama appear to be a much smarter solution to the health care problem than the one sponsored by Senator Murray.

Senator Hill's bill proposes allocation of federal funds to the individual states, so that state authorities, competent in the field of health care, may secure voluntary hospitalization and sickness policies for persons unable to pay the costs either in whole or in part. Of course, these same state authorities would have to determine who would be eligible. Provision is made for aiding hospitals and health centers so that they may render services to those unable to pay. Such a bill would, if passed, insure the freedom of choice of physician or hospital, and would not interfere with the personal relationship between physician and patient.

While the debate on the subject of compulsory health insurance has been raging, voluntary agencies have been going ahead by leaps and bounds and now provide protection to at least one-third of our population. On December 31, 1947, an estimated total of 31,224,000 of our 58 million employed civilians were insured under some form of protection against loss of income due to sickness or accident.

If, then, this voluntary system is so successful, why saddle compulsory health insurance on everybody? It just doesn't make sense.

"What's New in Dental Research"

Every year sees advances in dental research, and 1948 seems to have been no exception. It is realized that a complete overall picture of what has happened during the last year cannot be given in the few pages of this journal, nor could they be incorporated in any single book or series of books that could ever be published. The International Association for Dental Research, however, comes closest of all to the correlation of material available during the last year. This so-called correlation takes place at their annual meeting, the last one being held in Rochester, N. Y., June 18 to 20, 1948. Many papers were read in their entirety and many others were abstracted, and we have tried to pick out those of interest to the general practitioner. A complete listing can be found in the *Journal of Dental Research* for December, 1948; parts of many are presented in this issue and others will be submitted in future editions of the **FORTNIGHTLY REVIEW**.

Savchuck and Armstrong showed that solutions of sodium fluoride were more stable when stored in Pyrex than in ordinary soft glass bottles.

Armstrong, Schubert and Lindebaum showed that the administration of radioactive carbon as sodium carbonate and as calcium carbonate results in the incorporation of the radioactive carbon in the mineral phase and in the protein of bones and teeth.

Muhler, Boyd and VanHuysen said that the most satisfactory reagent used to decrease the solubility of enamel, dentin, and tricalciumphosphate in vitro is stannous fluoride.

Ludwick and Fosdick contend that the efficiency of brushing the teeth is quite varied, in fact may vary between 40 and 98 per cent.

Loosec and Hess showed that the protein of the enamel cuticle differs from the protein in the enamel proper.

Costick pointed out that there were no differences between the effects of procaine and those of metycaine other than the fact that metycaine produced anesthe-

sia for from 2 to 3 hours in most cases while procaine lasted from 1 to 1½ hours.

Cohen showed that the growth of jaws and intermaxillary height developed independently of the teeth.

Kitchen, Sutton and Edwards pointed out indications that a diet deficient in Ca and P and with the ratio of 1 to 13, coupled with repeated successive pregnancies and lactation periods, may result in a decreased inorganic content of the dentin of both incisors and molars and a decreased inorganic content of the enamel of incisor teeth.

Rovelstad and St. John showed evidence that the young dental pulp will exhibit histological changes following the cavity preparation and desensitization (five-minute application) with sodium fluoride. These changes appear to differ from the changes that occur as a result of cavity preparation alone.

Massler and Stahl, using detailed clinical and roentgenographic study to determine specific periodontal changes related to the diabetic state, could show that some relation exists between the severity of the diabetic state and the destructive changes in the alveolar bone and the gingiva, but a cause and effect relation could not be established.

Barr, in discussing some characteristics of caries on the proximal surfaces of the teeth, pointed out one very important fact, i.e., that simple "spot" proximal fillings become defective with five times the frequency of conventional occlusal-proximal two-surface restorations.

Hill and White, in discussing acid production in saliva in-vitro experiments indicated that some constituent of the saliva present in the residual matter after centrifugation or filtration acts as an agent in the rapidity of acid production.

McCauley and Arnold in an important study of the relation between dental caries experience and poliomyelitis could show no results to support the hypothesis that the dental pulp might constitute an

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NEWS AND ANNOUNCEMENTS

ELECTION RESULTS

At the annual election of officers held at the Stevens Hotel, April 19, 1949, Arno L. Brett was elected president-elect; Samuel R. Kleiman, vice-president; Edwin W. Baumann, secretary and Elmer Ebert, treasurer. 1,182 votes were cast, with the following results: Arno L. Brett, 695 votes; LeRoy E. Kurth, 452; Samuel R. Kleiman, 642; Paul A. Edmand, 501; Edwin W. Baumann, 732; Paul H. Wells, 417; Elmer Ebert, 645; Kenneth W. Penhale, 504.

MIDWINTER MEETING DATES SET

The annual Midwinter Meeting of the Chicago Dental Society will be held at the Stevens Hotel, February 6, 7, 8, 9, 1950.

MIDCONTINENT DENTAL CONGRESS

The 9th annual Midcontinent Dental Congress will convene at the Hotel Jefferson, St. Louis, on November 27, 28, 29, 30, 1949.

"IT'S YOUR LIFE" STARTS NEW SERIES

"It's Your Life," Chicago's outstanding health documentary radio series, is now aired every Sunday from 3:30 to 4:00 p.m. The new schedule, which started April 17, was arranged because of popular demand for a more convenient time. The show has been on the air for twenty-six weeks and was voted "the outstanding radio program of 1948" by the Annual Radio-Television Business Conference.

In the near future a program recorded by the Chicago Dental Society will be

presented. Watch for the announcement.

"It's Your Life" is sponsored by the Chicago Industrial Health Association and the Chicago Dental Society is represented on its executive board by Dr. Earle H. Thomas.

NEW FILM AVAILABLE

"Getting Ready for the Dentist," a motion picture showing how a mother can create a proper attitude in a three-year-old child for the first visit to the dentist, is now ready and may be obtained from the American Dental Association. Rental charges, including shipping costs, are \$2.50 for each showing or \$4.50 per week.

VETERANS ADMINISTRATION HANDBOOK

The Veterans Administration has prepared a 454-page *Occupational Outlook Handbook*, in which it points out that excellent opportunities exist for persons able to obtain admission to dental schools and complete requirements for practice.

Employment prospects for dental hygienists with training in approved schools generally are good, particularly in the field of public health.

The Handbook is available to the public, at \$1.75 per copy, from the Superintendent of Documents, U. S. Government Printing Office, Washington 25, D. C.

CHICAGO NUTRITION ASSOCIATION ANNOUNCES MEETING

The Chicago Nutrition Association announces a meeting at the Congress Hotel, May 11, 1949 at 8 p.m. The subject, "Aging as a Problem in Nutrition," will

be presented by Edward J. Stieglitz, M.S., M.D., Chief of the Section on Gerontology, National Institute of Health, U. S. Public Health Service, and discussed by Arthur F. Abt, M.D., Associate Professor of Pediatrics, Northwestern University Medical School.

Members of the Chicago Dental Society who are interested in the subject are cordially invited to attend this lecture.

RECRUITING CAMPAIGN STRIKES IMPASSE

The current voluntary recruitment campaign, conducted by the Army to relieve critical shortages in personnel in the Army Dental Corps, is not getting results. Officials of the American Dental Association have pointed out that no campaign for recruitment can expect to succeed until the inequalities under which dental officers served in the Army are removed by corrective legislation.

RESERVE COMMISSIONS

The Surgeon General announced on March 7 the policy of the Medical Department in regard to grade on recall and assignment of reserve officers. It was stated that in recognition of obligations assumed by these officers in accepting reserve commissions, they should receive priorities over officers newly appointed from civilian life when both have equal professional qualifications. It will be the policy in giving final approval of the grades in which civilian personnel are to be commissioned in the Medical Department because of a national emergency to take consideration of the fact that many of these civilians have not had military experience and have not taken part in the reserve programs. The Advisory Council of Medical Consultants of World War II unanimously endorsed these policies.

CANCER COURSE AT NORTHWESTERN UNIVERSITY

A special two-day program of study of oral cancer will be offered at Northwestern University Dental School on June 7 and 8, 1949. The course will consist of illustrated lectures and clinical demonstrations and will be held in the Dental School.

Participating in the instruction will be Dr. John A. Rogers, Executive Director of the Illinois Division of the American Cancer Society; Dr. James Barrett Brown, Professor of Surgery, Washington University Medical School, and Barnes Hospital of St. Louis. From the faculty of the Medical and Dental Schools of Northwestern University: Dr. Edward H. Hatton, Professor of Pathology, Emeritus; Dr. Mark C. Wheelock, Associate Professor of Pathology and Pathologist at Passavant Hospital; Dr. Frederick W. Merrifield, Professor of Oral Surgery.

The course is open to dentists and physicians. Registration will be made in advance. For further information address Dean Charles W. Freeman, 311 East Chicago Ave., Chicago 11, Illinois.

VETERANS ADMINISTRATION ASKS CHECK ON AUTHORIZATIONS

The Veterans Administration Out-Patient Dental Service is endeavoring to clear its files of many cases that are not under treatment at the present time and those on which examinations have been authorized, but not completed. It is well known that there are several hundred cases in dentists' offices that have not been returned and on which the expiration dates have passed.

The reasons for failure to complete these cases by the participating dentists are varied and many, but fall mainly into groups where the veterans have failed to cooperate or have moved to other neighborhoods or from the city.

It is requested that all those participating carefully check their office files and return to the Veterans Administration Office all examination authorizations that have expired, with the reason for its return written across the face of the examination blank.

If you are holding authorized treatment cases, for which the veteran has failed to report within a reasonable time, these, too, should be returned with appropriate notation so that the case may be closed and the examination paid for.

Your cooperation will be greatly appreciated and will expedite handling of current cases.

UNIVERSITY OF ILLINOIS NEWS

The University of Illinois' new Aero Medical and Physical Environment Laboratory was officially opened on April 11. The laboratory is designed to study the effect of physical environment on health and disease, and research studies along those lines have been started. These studies are being conducted by interested departments and individuals in the Colleges of Medicine, Dentistry, Pharmacy and other units of the University.

The research studies are expected to contribute to basic physiological knowledge concerning the effect of physical environmental factors on healthy and diseased humans. They also are expected to improve therapeutic procedures in the treatment of certain types of disease and to supplement present knowledge in the field of aviation medicine.

SUBSIDIES FOR DENTAL SCHOOLS

Bills calling for a comprehensive program of federal aid to dental and medical schools have been presented to Congress. They provide for grants to the schools and loans to students. The proposed formula calls for a grant of \$250.00

per student up to the average past enrollment, plus \$1,300.00 per student for those in excess of the previous average. The idea behind the bills is to encourage schools to increase training facilities.

DR. ROY A. DALLAGER 1890-1949

Dr. Roy A. Dallager, a member of the Kenwood-Hyde Park Branch of the Chicago Dental Society, passed away March 12, 1949. He had offices at 55 East Washington Street in Chicago's Loop.

Dr. Dallager was a graduate of Northwestern University Dental School, class of 1913. His widow, Catherine; a son, Richard A., and a daughter, Donna M., survive him.

DR. WILLIAM S. FINN 1892-1949

Dr. William S. Finn, who practiced for over twenty years in the Auburn Park area, died March 11, 1949. He was a member of the Englewood Branch of the Chicago Dental Society.

Dr. Finn was graduated from Northwestern University Dental School in 1910. He served in the Army Dental Corps in World War I as a first lieutenant. He was past commander of Rainbow Lodge, 972, Masonic Order. He is survived by his widow, Esther, and three sons; Duane, Leighton and Keith.

DR. LEON G. STUCK 1888-1949

Dr. Leon G. Stuck, a member of the West Suburban Branch of the Chicago Dental Society, passed away March 16, 1949.

Dr. Stuck was graduated from the Chicago College of Dental Surgery in 1915 and practiced in the Austin area for many years. He is survived by his widow, Mabel; a son, Ensign Craig Stuck; a brother and two sisters.

BOOK REVIEW

Outline of Histology. By Margaret Hoskins, Ph.D., and Gerrit Bevelander, Ph.D., Department of Histology, College of Dentistry and the Graduate Schools of Arts and Sciences, New York University; Second Edition, 284 pages, \$3.50, C. V. Mosby Co., St. Louis, 1948.

Reviewing a book can be either a dull chore or a pleasant pastime, depending upon the author's ability to bring his subject alive. The very prospect of reading a textbook in histology is apt to floor the most intrepid reviewer; especially if he has been out of school for 30 years. He wishes fervently that he had kept up his interest in the sciences instead of just trying to make a living.

In the "Outline of Histology," however, the authors state their case tersely and in simple language. The subject matter is well arranged and logically presented. The illustrations are numerous and a text unto themselves. There are a number of schematic drawings and photomicrographs that greatly enhance the value of the book.

The work is divided into two parts; Part I dealing with general histology and Part II with dental histology. Part II is, naturally, the one of most interest to the dentist. It embodies dental embryology, the development of tooth structure and the structures of the face.

The loose-leaf plastic binding of this book makes it useful for teaching purposes as the pages can be removed for laboratory use and then reinserted. There is plenty of space for notes so that it is very well adapted for use in dental schools. The dentist in general practice can well afford to spend a few evenings in its perusal as it will bring him up to date and, besides, he will find it most interesting when studied in the light of experience.

Dental Education Today. By Harlan Hoyt Horner, Secretary of the Council

on Dental Education of the American Dental Association, Chicago. University of Chicago Press. Pp. 420. Price, \$6.00.

In this book, Dr. Horner presents a factual study of dental education with chapters dealing with the organization of dental schools, physical plants, geographical distribution, sketches of individual schools, financial management, faculties, students, curriculum and methods of teaching. He includes such things as graduate and postgraduate education, courses for the training of dental hygienists and dental technicians, the requirements for the approval of dental internships and residences, the training and recognition of specialists and dental licensing examinations; nothing could be more complete.

Beginning with a historical review of the establishment and development of dental schools, which goes back to 1840, the author makes an interesting story of their struggle for survival. In the period 1840 to 1884, twenty-nine dental schools were organized, all but eight of which are in business today either under the original control or through mergers or amalgamations with other schools. There were forty-four dental schools in existence in 1895 and the number rose to a peak of fifty-seven in 1900. By 1920 the number of schools was back down again to forty-six. Presently there are forty dental schools that are going concerns, almost all of which are under university control.

Improvement in dental education gained a real impetus in 1909, when the Dental Educational Council of America was formed. The Council was composed of representatives of the National Dental Association (now the American Dental Association), the National Association of Dental Faculties and the National Association of Dental Examiners. Standards for dental schools were first brought out

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NEWS OF THE BRANCHES

NORTH SIDE

The general consensus of opinion was that the last clinical program of the year was very interesting as well as enlightening. The high light was Henry Glupker's well-organized and presented movie. He is really tops as far as all the Chicago Dental Society boys are concerned. In general, the clinical programs this year were well received and we all wish to thank Leo Luckhardt for his splendid efforts and the time he put forth. Also, thanks to Sid Pollack for his best effort in directing and organizing the last program. Following this last program, these new officers were elected for the coming year: George Olfson, president; Wilfred Corcoran, vice-president; Manley Elliott, secretary; Russell Boothe, treasurer; Joe Ambrose, librarian; Basil Cupis, North Side director for a three-year term. . . . The North Side Bowling League closed its successful season with the usual big steak dinner at the Cubs Grill. Following a really enjoyable afternoon and evening, the big winners were announced. The sweepstake winner was George Parrilli, a ringer from the West Side Branch. The individual high scorers were Max Fisher, Herman Sundel, Bell of x-ray fame, Dix, O. Bush and H. Glass. The winning team combination was the Bicuspiders with Max Fisher, H. Danby, Dix and Pollice, followed by a triple tie for second place by the Deciduous, Central and Lateral teams. The new recording secretary for next year will be Bob Pond. We all hope for some new members, more competition and good fellowship. . . . Received quite an original announcement of the birth of Robert to Abe and Mrs. Hoffman. Congratulations! . . . Burt Morrow has moved his office from Howard Street to the Uptown Bank Building, as of April 1. . . . J. C. Grant is spending the month in Miami, Florida, absorbing violet rays and, like Ponce de Leon, looking for the

Fountain of Youth and finding it. . . . Harper and Mrs. Hibbe drove their new Cadillac to the West coast, visiting Frisco, Santa Barbara (where they intend to live later on), Palm Springs and Tucson. While in Tucson, they visited his classmate, Ray Cooke, who sends his regards to all his friends of the North Side Branch. . . . R. Kadens is in Florida for a well-deserved rest and his associate and brother-in-law has taken the helm. . . . Henry Parkin is anticipating driving a new "88 Olds" and semi-rejuvenating his office again. . . . Bob Pond is off to Florida again to vacation after a very active bowling season. . . . J. A. and Mrs. Kelley were at Sturgeon Bay for the weekend, visiting their daughter and son-in-law, Dr. and Mrs. John Beck. . . . G. Freedlund returned from an enjoyable Florida vacation. . . . A. Swartz is in Daytona Beach again, taking it easy and relaxing. . . . Our next guest correspondent will be Andy Sauer, Jr., the well-known golfer and dentist in the Lincoln and Lawrence area. Kindly contact him with news.—*F. A. Napolilli, Branch Correspondent.*

NORTHWEST SIDE

The April meeting of the Branch was held on Tuesday, April 12, with approximately forty men enjoying themselves at the usual delicious feast which Stella's Restaurant always gives us. Gerson Gould, the program chairman, presented two very interesting color films, one of which presented the steps in constructing an anterior bridge, and the other on the proper method of preparing, placing and finishing a two-surface amalgam. Both films were made by the Dental Department of the U. S. Navy and were well photographed and detailed as to each step. As an added attraction, we all were well entertained by Herman Wenger's very beautiful color movies of the New

Year's Tournament of Roses Parade in Pasadena, California. Herman is to be commended on his fine photography in capturing all the color and pageantry of this famous spectacle. During the business meeting, the following officers were elected for the coming year by a unanimous ballot cast by the secretary: Irv Neer, president-elect; Joe Ulis, vice-president; Gerson Gould, secretary; Johnny Gates, treasurer; Cas Rogalski, Henry Boris and Toby Weinshenker, branch board of directors. In the only contested office, Thad Olechowski was elected branch director of the Chicago Dental Society over Fred Ahlers. It is interesting to note that there were 141 votes cast, which means that we should have many of these men coming out to our meetings regularly. . . . Norm Kirschner crossed us up by going to Florida instead of up North, as was reported in our last column. . . . We also apparently left out Danny Klein's name as one of the clinicians at our Home Talent Night. Hope this didn't upset him too much. . . . Sorry to report the death of Ed Potocki's mother-in-law recently. . . . Lou Reif had planned on attending the last meeting but was unable to because of the illness of his wife, who has been hospitalized. . . . Tommy Wright was sold on the idea of stepping down rather than up, so bought himself a new Hudson. . . . One of our members, Ed Kraske, recently went into the Navy and is stationed at Great Lakes. . . . Gus Tilley, our ardent golfer, rushed the season and has already played several times in April. We're getting a little anxious to try out the old clubs and hope to get out any day now, ourselves. . . . Max Kuharich plans to open his new office in Norwood Park in the very near future. . . . Don't forget the big social event coming on Wednesday, May 18. The Annual Ladies' Night will be held on that date at the Fireside Restaurant, Lincoln and Touhy Avenues, at 7 p.m. Gerson Gould, Henry Gewartowski and Frank Brzezinski are working hard to make this event a huge success. The affair will cost \$9.00 per couple, so make your plans now and call Frank to make your reservations. . . . While mark-

ing your appointment book for this event, turn a few pages and check off Wednesday, June 8, as the day of our Annual Golf Outing. The committee got an early start and was able to secure this date without conflicting with any of the other golf outings held during the summer. Westward Ho will be the course, so start practicing so you can compete for some of the wonderful prizes being offered. . . . Among the guests who attended our April meeting was Paul Edmand, who was one of the candidates for vice-president of the Chicago Dental Society, and our own member, LeRoy Kurth, who was a candidate for president of the Chicago Dental Society. . . . Happy to see that Wally Link finally found time to attend a meeting. Hope he'll come more often.—*Toby Weinshenker, Branch Correspondent.*

WEST SUBURBAN

Our April Round Table meeting proved to be a bell ringer. Kelly Frakes introduced Dr. Homer Nichols, chiroprodist and osteopath of Oak Park, who so ably demonstrated how our feet are contributing to our bad posture and fatigue and how we can correct some of the faults. . . . At our next Round Table meeting on May 2, three films in color and with sound will be shown on the different variations of anterior bridgework as done at the Training Aids Section of the Ninth Naval District, Great Lakes, Illinois. . . . The new six months' West Suburban Round Table dinner tickets are now on sale. The dates of the meetings will be as follows: May 2, June 6, September 12, October 3, November 7 and December 5. Kindly mark these dates off in your appointment books. Note: the meeting months of July and August were discontinued because of the many vacationers. Mail your checks to A. F. Mastrude at 732 North Austin Boulevard, Oak Park, Illinois. The meetings are held at the Oak Park Club at 12:00 noon. . . . A new year for West Suburban began on April 4 with the

installation of all the new officers by Arno Brett. Henry Westaby, our new president, will announce his committees shortly. Rudolph Hinrichs, the program chairman, introduced Dr. Henry Glupker of Chicago, who showed us a motion picture in color of his technic in taking accurate impressions for full denture construction of the mandibular arch. This method promises to make impression-taking almost foolproof. If a dentist will learn this procedure and stay with it, he will overcome most of the difficulties ordinarily encountered. The film was a masterpiece and depicted every step in the technic. . . . This year's golf outing will be held on Tuesday, June 14, at Westward Ho. Ed Sullivan is golf chairman and asks your kind support to make the outing a big success. Tickets will be in the mail very soon. . . . If any of you fellows can arrange it, it would be nice to get over to see Harry Nortell at his home at 1018 Mapleton, Oak Park. I am sure Harry would be glad to see any of you. . . . Wes Olsen and family just returned after spending several days at Spring Mill State Park, Indiana. Yours truly was also there with his family. . . . Henry Westaby left for Tryon, North Carolina, for several weeks' stay. . . . Al Kuncel is now a trustee of River Forest, Illinois. Congratulations, Al! . . . Thank you, Ed Kritzke, for your grand news contribution for this issue. As a matter of fact, Ed wrote this column.—*Everett G. Walters, Assistant Branch Correspondent.*

KENWOOD-HYDE PARK

The May meeting will be devoted to the discussion, "The American Dental Association and Socialized Medicine and Dentistry," by Dr. Harold Hillenbrand, Secretary of the American Dental Association. With his many contacts, Dr. Hillenbrand should bring to us the very latest developments in our legislative program in Washington. His clear insight and forceful presentation will make the evening most worthwhile. We will have the ladies as our guests. Remember the

date, May 3, at the Sherry. Also, officers will be installed: Lawrence Johnson, president; Wayne Fisher, vice-president; John McBride, secretary and Jesse Carlton, treasurer. Robert Kreiner was elected president-elect, but will not be installed until next year. . . . Our April meeting was a dandy, and George Teuscher gave his usual fine and sane approach to the discussion on children's dentistry. You were swell, George, and our sincere thanks! . . . A baby boy has come to join the Lutton household, and mother and baby are doing fine. Congratulations, Mother and Dad Lutton, and our best to the new baby! . . . The stork also visited the home of Elmer and Mrs. Goldthorp, leaving a lovely little daughter to raise the Goldthorps to four—mother and daughter are making fine progress and "Pops" is doing as well as could be expected. Congratulations, and best wishes to the baby and all the Goldthorps! . . . Mrs. Robert Kreiner, wife of our hard-working secretary and now president-elect, had a session with the surgeon, but we are happy to report she has made an excellent recovery. . . . Larry Johnson announces that Louis Christopher, the champ father as well as golfer, will serve as golf chairman and has arranged for us to play golf at Southmoor on June 29, so get your tickets early. . . . E. Byron Kelly will give a clinic on full denture construction at Youngstown, Ohio. . . . Willard Johnson is sporting a brand new Buick convertible. Some stuff! . . . Don't forget the State Meeting at Peoria. Kenwood will be represented by clinicians Bob Pinkerton, P. L. Mathisen, Milt Braun and Victor Wittert, who will give table clinics. . . . Well, I guess that's all for this time. . . . If you haven't already done so, call Stan Wrobel for dinner reservations. . . . Any news telephone me at SOuth Chicago 8-1823.—*Elmer Ebert, Branch Correspondent.*

ENGLEWOOD

Elections came and went at our Englewood Branch and we find ourselves with

the following newly elected officers: Ernest Goldhorn, president; Ed Werre, vice-president; Ed Glavin, secretary; Robert Straub, treasurer. Dan Duffy is appointed chairman of the sports committee. We congratulate them and wish them much success in guiding our Branch to new heights of achievement. Thanks are due to our retiring officers for a job well done. . . . At the April 12 meeting, Dr. H. Spiro spoke on "The Causes of Defects in Hydrocolloid Impressions as Used in Fixed Bridges and Partial Dentures." As usual he won his audience with his revelations. He is a scientist and a teacher. . . . Because it conflicts with the date set for the meeting of the Illinois Dental Society, the next Englewood Branch meeting has been changed from May 10 to May 3. There will be installation of officers, followed by a party. . . . Ted Lindholm is leaving April 15 for a couple of weeks in the southland. . . . J. Wilher came back from Florida; worked a while and is now home ill in bed. . . . M. B. Hopkins returned from Florida. . . . Gus Solfronk enjoyed a stay in Florida; claims it keeps him young. He says that anyone can do the same; all that is necessary is to study and install the professional budget system; money keeps coming in even when he is away from his office. . . . On March 16, S. B. Rabishaw, Steve Radochonski, Ed Piech, Isaac Kuzminsky and W. C. Lukaszewski made a dental inspection of pupils at the St. John of God School. In grateful appreciation, the principal invited the dentists to a fine dinner. . . . T. B. Gasior severed his connections with T. A. and now has his own ground floor, rent-free office at 6841 Archer Avenue. He invites all on their way to the cemetery to stop at the halfway mark and visit him. It won't be long until he will be passing out cigars. Recently he showed some excellent movies of his war experiences in India and environs. Andy Potempa became so interested that he is now in the market for a movie outfit as soon as he resolves the merits of 8mm. versus 16mm. . . . M. Kostrubala was elected senior vice-commander and Julius Dziubak a delegate to county council from "Our

Boys Post," Veterans of Foreign Wars. . . . Our sympathy to S. J. Pacer, who lost his mother recently. . . . Condolences to Willis Bray; sorry to learn of the passing of his wife. . . . Val Siedlinski is committed for two weeks' maneuvers with the army reserves in Wisconsin. . . . The Holy Cross Hospital Bowling League has three Englewood members—Stan Rozanski, Ray Bartz and Walt Raczynski—on the team that just clinched that championship after leading the league from the beginning of the season back in September. . . . Ches Rywniak just moved into the new home he built; it would be nice to attend a housewarming party. . . . T. A. Gasior bought a luxurious mansion at 56th and Keeler. His son, Eugene, is attending Loyola University, following his father's footsteps. . . . Joe Podwika fixed up his tackle and is leaving for an extensive fishing trip. Send news items to S. C. Sachs, 5858 South Halsted Street, BOulevard 8-6871.—*Julius J. Dziubak, Assistant Branch Correspondent.*

WEST SIDE

Our meeting early in April was our last regular meeting of the season. Samuel Kleiman can well be proud of his accomplishments as our president for the past year. He will move forward to bigger and better things in our Society. We want to express our gratitude to Dr. Otto W. Silberhorn for giving us those splendid lectures on crown and bridge construction. His technique is superb. Dinner chairman, Victor Hogstrom, lived up to his reputation and produced another one of those delicious dinners. Mr. Donald Aleshire filled the bill as an after-dinner speaker. He gave a clear and concise insurance plan for state members. He very ably answered all questions pertaining to accident, health and hospital insurance. Our honored guest for the evening was none other than Dr. George Meyer, who acted as installing officer. He duly and truly installed Al Sells as president; Max M. Chubin as vice-president; Adolph F.

(Continued on page 29)

Ethical Standards for Announcements and Listings of Members of the Chicago Dental Society

[Editor's Note: Because solicitors are currently engaged in seeking advertising from members of the Chicago Dental Society, the following resolution is presented for your guidance. This resolution was unanimously adopted by the membership on May 21, 1947.]

WHEREAS, the American Dental Association has revised its Code of Ethics and placed some of the responsibility for regulating the conduct of members upon the membership of the district dental societies, and

WHEREAS, the provisions as set forth in Sections 3 and 4 of the Code of Ethics relating to printed cards, letterheads, announcements and directories specifically delegate the power to establish ethical rules of conduct to the district dental societies, and

WHEREAS, it is the practice of publishers of media of all kinds to solicit advertisements commonly called "professional cards" from members of the dental profession, and

WHEREAS, the publication of such cards or advertisements tends to give members concerned public notice to disadvantage of members not so announcing themselves, and

WHEREAS, the Dental Practice Act of the State of Illinois, in Section 4a, specifically prohibits a dentist from holding himself out to the public as a specialist in any of the branches of dentistry without first obtaining a certificate from the Department of Registration and Education, and

WHEREAS, it now becomes incumbent upon the Chicago Dental Society, in the interest of its members and of the public, to regulate announcements and directory listings,

NOW, THEREFORE, BE IT RESOLVED, that the Chicago Dental So-

ciety shall adopt the following regulations:

No member of the Chicago Dental Society shall print or publish, or authorize the printing or publication of his name, telephone number, address or information pertaining to practice in any publication or directory distributed within the territorial jurisdiction of this Society, using any conspicuous style of type or wording other than the conventional and accepted type and wording generally in use; nor shall any member use such wording as "Phone for Appointment," "If no Answer Call—," "Hours Daily except Wednesday," or any other similar wording which shall tend to give his announcement visual prominence over other names listed; nor shall any member insert a professional card in newspapers or programs for social, church, school or community events, or any similar media.

Provided, however, that nothing in this resolution shall prohibit a member who holds a certificate in any of the recognized specialties of dentistry, issued by the State of Illinois, from indicating in modest type, after his name the limited practice authorized by his certificate, and

BE IT FURTHER RESOLVED, that any member who uses any listing or announcements contrary to the regulations as provided in this resolution or the Code of Ethics of the American Dental Association, or who shall violate any of the provisions of the Dental Practice Act of the State of Illinois, shall be guilty of unethical conduct, and

BE IT FURTHER RESOLVED, that proper notice of the adoption of this resolution shall be published in the official journal of this Society, THE FORTNIGHTLY REVIEW, and that a copy of this resolution shall be forwarded to the Secretary of the American Dental Association.

**"WHAT'S NEW IN
DENTAL RESEARCH"**

(Continued from page 11)

important portal of entry for the virus of poliomyelitis in children.

Boyd, Cheyne and Wessels, in a series of experiments, could show nothing to support the premise that lactobacillus counts provide a diagnostic or prognostic index of the activity of dental caries.

Leung, in testing the influence of CO₂ on the solubility of calcium in saliva, found that the mechanical removal of large amounts of CO₂ resulted in the precipitation of a considerable quantity of Ca normally in solution. The solubility of salivary Ca, therefore, appears to depend in some measure on the CO₂ content.

Howell, Schlack and Taylor describe a new devise that they have worked on that should make refrigeration anesthesia a practical aid in the dental office. It consists primarily of two small boxes, one being placed on the buccal side of a tooth and the other on the lingual. A tube runs from the refrigeration unit to the upper compartment of the buccal box, via rubber tubing to the lingual box, back to the lower compartment of the buccal box and out to the unit.

Shepro, Weinmann and Schour, in discussing the physiologic atrophy of the interdental septum in rats, conclude that this atrophy is a physiologic process induced by interproximal wear of the molar crowns and by physiologic movement and rotation of the teeth.

Glass and Zander compare the results of pulp capping with Ca (OH)₂ as against zinc oxide and eugenol. No healing appeared and exposures capped with Ca (OH)₂ showed first a superficial zone of necrosis demarcated by a calcific line from healthy pulp tissue. Two weeks later an area of primitive dentin has been formed against this calcific line, and after four weeks, new dentin is deposited against the primitive dentin to complete healing.

Hill and Kniesner discussed experiments carried out to test the effectiveness of the penicillin dentifrice in the control of dental caries. At the end of a year, those subjects who had used the penicillin incorporated tooth powder showed an average of 2.96 new carious surfaces, as against an average of 2.90 new surfaces of caries found in the controls. This would indicate, then, that penicillin has no effect when used with a dentifrice as a control of dental caries.—*E. J. Sullivan, Evanston, Illinois.*

(To be continued)

**ANNUAL MEETING
ILLINOIS STATE DENTAL SOCIETY**

Peoria, May 9, 10, 11 and 12

SPORTS DAY

Monday, May 9

Golf, Bowling, Skeet and Trap Shoot

LADIES' ENTERTAINMENT

Tuesday, May 10
Book Review

Wednesday May 11
Bridge Luncheon

SCIENTIFIC PROGRAM

Tuesday, Wednesday, Thursday
Essays — Clinics — Exhibits

DIRECTORY CHICAGO DENTAL SOCIETY

Central Offices: 30 N. Michigan Ave., Chicago 2, Ill., Telephone STate 2-7925

Kindly address all communications concerning business of the Society to the Central Office

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J. R. Carlton 1951

Applications for Membership

The following applications have been received by the Ethics Committee: Any member having information relative to any of the applicants, which would affect their membership, should communicate in writing with Eugene M. Stearns, 636 Church St., Evanston. Anonymous communications or telephone calls will receive no consideration.

Applicants:

No new applications for membership have been received.

Branch Correspondents

Boles G. Gobby *Englewood*
1632 W. 63rd St., GRovehill 6-0311
Elmer Ebert *Kenwood-Hyde Park*
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E. G. Walters *West Suburban*
212 S. Marion St., OAK Park, VIlage 872

PRE-EXTRACTION RECORDS

(Continued from page 9)

REMOVAL OF NEGATIVE FROM FACE

The subject may assist greatly if proper instruction is given. Have subject place both hands securely over the plaster and make slight muscular movements of the lips, cheeks, forehead, etc. This will help to release the negative. Have subject bend forward. Go around the borders of the negative with the finger tips and loosen it by stretching the skin. By this time the negative may be easily removed by the subject.

PRODUCTION OF THE POSITIVE

The negative is now ready for pouring and this should be done without delay. The positive may be produced of plaster, stone or a similar product. It may also be produced by pouring melted wax over the negocoll until the desired thickness is obtained. There are waxes on the market especially prepared for this purpose and they may be obtained in various colors. The wax positive is said to be desirable where tinting of the mask is to be done. The objections to the wax positive are 1st—expensive to make, 2nd—time involved, 3rd—it is a laborious process and 4th—it is not as strong as an artificial stone mask. The following method produces a positive which in our belief provides a surface that will take tinting with oils equally as well as the wax mask; is very inexpensive, and is a time saver.

Produce the positive from cast plaster. After the plaster has set, remove it from the negative by scoring the reinforcement plaster with a knife and breaking it away. Then remove the negocoll by simply pulling it away from the plaster. The positive is then ready for correction. This consists of removing defects with a carving tool, "opening" the eyes and building up where necessary with plasticine. A

reproduction of the positive is then made in artificial stone.

This positive is allowed to dry for several hours and is then prepared for tinting by boiling in stearic acid. The stearic acid may be colored by including in it a quantity of oil soluble color of the desired shade. For example, the acid may be so colored as to give the mask a basic flesh tint. With the additional tinting given the eyes, lips, hair, etc., the mask is complete.

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AGENTS FOR THE DISABILITY AND HOSPITAL PLANS OF THE CHICAGO DENTAL SOCIETY

NEWS OF THE BRANCHES

(Continued from page 19)

Stark as secretary; F. S. Kozlowski as treasurer; Thomas L. De Vito as librarian and Joshua S. Vission as West Side Branch director. Al Sells is well qualified to perform the duties of his office; his will be a successful and memorable administration. . . . J. Vission and A. Sells are going to Waukesha, Wisconsin, soon to play in the mud. . . . Sam Rakow has just returned to his office after having spent six weeks in the hospital. Glad to see you out again, Pop! . . . Eli Olech was the speaker at the spring meeting of the McLean County Dental Society, held in Bloomington, Illinois. His subject: "Oral Surgery of Interest to the General Practitioner." . . . Harold Epstein is the proud father of a baby girl. . . . Irwin Robinson spoke before the last meeting of the Forum on problems in oral surgery. . . . George Frost has retired from active practice to his writing. Henry Lee is retiring from his profession to a home in

sunny Tennessee. We will be seeing you, George, as you will remain in Chicago but will miss you, Henry. . . . Bill Gubbins will spend Decoration Day in Grand Junction, Michigan. . . . Attention All!!! Our annual outing is to be held May 18 at Nordic Hill Golf Club. Come early; come all! Play golf; pitch horseshoes; play ball; enter into a card game; or just do as you please. A delicious dinner will be served at about seven. Door prizes and other prizes. Fun for all! For particulars, telephone chairman George Walls. . . . While in the midst of a nightmare, Harold Gillogly tripped over a chair and fractured his little toe. You should have heard him! . . . George Vogt's little daughter, Joan, participated in a piano recital, playing a solo at the Austin Academy of Music on April 2. . . . Michael De Rose recently gave a talk on the diagnosis and treatment of periodontal diseases before the Arcolian Dental Arts Society. . . . John Reilly is fully recovered and is able to resume his duties at the chair. . . . Welcome to the meetings, I. Miller.—Irvin C. Miller, Branch Correspondent.

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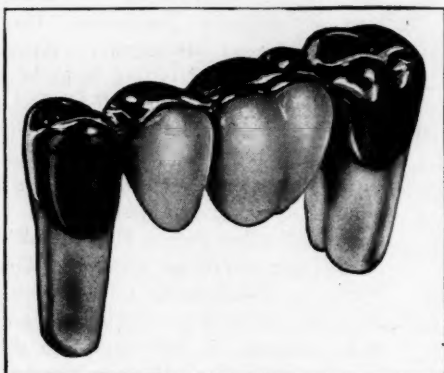
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